

AMENDMENT

Please amend the specification as follows:

On page 8, line 11, please change "Figure 1 shows" to --Figures 1A and 1B show--.

Please amend the claims as follows:

Please cancel claims 1-15 currently pending and substitute the following claims:

--16. An isolated DNA molecule which comprises
(a) a nucleotide sequence that encodes the deduced amino acid sequence set forth in SEQ. ID. NO: 19 or which comprises the complement of said nucleotide sequence; or
(b) a nucleotide sequence that hybridizes under conditions of medium hybridization stringency to the nucleotide sequence of (a) and which encodes an α_1 subunit of a calcium ion channel or the complement of said nucleotide sequence.

17. The DNA molecule of claim 16 which comprises a nucleotide sequence that encodes the deduced amino acid sequence set forth in SEQ. ID. NO: 19 or its complement.

18. The DNA molecule of claim 17 which comprises the nucleotide sequence set forth in SEQ. ID. NO: 19 or its complement.

a' 19. A DNA molecule which comprises an expression system for the production of a calcium ion channel subunit α_1 subunit protein which expression system comprises

(a) a nucleotide sequence encoding the amino acid sequence set forth in SEQ. ID. NO: 19 or the complement of said nucleotide sequence; or

(b) a nucleotide sequence that hybridizes under conditions of medium hybridization stringency to the nucleotide sequence of (a) or the complement of said nucleotide sequence.

20. The DNA molecule of claim 19 which comprises a nucleotide sequence that encodes the deduced amino acid sequence set forth in SEQ. ID. NO: 19 or its complement.